

# **SEGT** SYSTEMS<sup>SM</sup> WHITEPAPER

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# 1. Introduction and update notices.

The Safe-Efficient Grid Trading Systems<sup>SM</sup> is a Service-Mark built and designed to create safe to efficient grid trading algorithms/strategies for any type of trading (Cross-margin + Isolated Margin) with or without leverage in Spot, Margin and Futures trading. It was originally initiated as a small project in November 2021 and the first built was released in August 2023. Since then the system has been upgraded and updated continuously to improve functionality and user interface. SEGT Systems is composed into two systems and one sub-system with all margin functions explained in detail at summary section 1 and 2 (page 6-10).

## **SEGT Systems core upgrade notice from v4.443 to v5.000**

The changes are listed below:

1. DETrade futures system has been inserted and linked with the other systems and sub-systems.
2. Manual and Auto Strategy have been constructed in DETrade Futures System.
3. Dedicated Reduction Grid has been constructed in DETrade Futures System.
4. Data Link has been added to ARGUS to link the data from SEGT Futures or from DETrade Futures.
5. Auto Trigger order replacement function has been added covering one procedure from the QASOP-003 document.
6. Data reduction has been performed to reduce the file size and increase processing speed.

## 2. Helping traders to reduce and manage risks by securing their positions with SEGT Systems<sup>SM</sup>.

This system in leveraged trading can predict the liquidation prices by an average accuracy rate of 99.989-99.9985%, after supportive orders are executed and can calibrate the suitable prices to support your position in order for you not to get liquidated for both Long and Short positions. In this way the users can determine by the system the minimum or maximum liquidation price to better manage the budgets to expand the grid even beyond the critical supports (in Long positions) or critical resistances (in Short positions). The advanced grids allows the user to better manage the liquidation risks, isolated budgets and targets.

In Long positions the orders are programmed to be placed above the liquidation price to re-leverage the position in order to move the entry price and the liquidation price lower than the initial position and in Short positions the orders are programmed by the system to be placed below the liquidation price in order to move the entry price and liquidation price higher than the initial position depending on the constants combination that the user will choose(explained in the SEGT Systems documentation [user manual]).

The order numbers in a grid algorithm/strategy will depend from these factors:

1. Your isolated capital
2. You Initial Budget concentration (IBC%)
3. Your trading skills to re-leverage, reduce, reposition and reform strategies
4. Your risk/reward ratio (that you have projected)
5. Your ability to seek good entry prices

These Systems have been tested in many exchanges so far and can function properly only in Binance, BitGet, GateIO and Poloniex. Their data has been integrated inside the systems to make more accurate calculations for the user.

## 3. Individual system's specifications.

### 1. SEGT System Futures - Isolated Margin Mode

Can enable the user to create supportive grids for their positions and reduction grids for both amounts (initial amount & supportive orders amount) with a projected profit-loss table. The reduction grids in SEGT futures are equipped with 6 reduction modes that the user can choose to have better chances of success. The SEGT System futures can be used in three modes:

- Low risk mode (Leverage 2X-6X) APR 68%-125%
- Moderate risk mode (Leverage 7X-9X) APR 150%-245%
- High risk mode (Leverage 10X+) APR 288%-427%

### 2. ARGUS-Advanced Reformative Grid Unit System (SEGT futures Sub-System) - Isolated Margin Mode

Can enable the user to reform the SEGT algorithms once they are completely consumed. ARGUS grids will activate in a quick manner to protect your positions and extend the liquidation price and entry price further more down in Long positions or up in Short positions. The user can also predict the reduced amount in SEGT grid(if any) to built a more effective reformation automatically with ARGUS. ARGUS has two supportive modes and four reduction modes compared to SEGT System futures that are explained in the Summary section 1-2 (page 6-10).

### 3.1 SEGT System Spot-Margin - No Margin Mode + Cross-Margin Mode

Can enable the user to create supportive grids for their positions in Spot-Margin markets. This system can project only the final liquidation price in margin position once the grid is set and has 5 reduction modes like the SEGT System futures with a projected profit-loss table. Some reduction modes are not available in cross-margin mode since some exchanges can disable the Trigger orders in Spot markets when you have an open margin position. Details are explained in Summary section 1-2 (page 6-10)

## Summary:

SEGT Systems is an advanced tool for managing risks, budgets, leveraged and non leveraged positions in many markets. It is built for professional traders to understand and use effectively in order to succeed. In the summary section below you will find all details about the systems and documents.

# 1. SEGT System Futures / ARGUS Futures / SEGT System Spot-Margin. Introduction to the systems parameters and functions:

## 1.1 SEGT System Futures - Isolated Margin Mode Support grid parameters

The parameters descriptions that the user must complete to use the SEGT System futures are listed below:

(Manual Strategy)

- Position's side: Buy/Long or Sell/Short
- Position's data: Entry price, Amount, Liquidation Price, Margin in USDT.
- Constants 1 and 2: Constant 1 determines the liquidity position risk range, Constant 2 determines the supportive order range norm from liquidation price.
- Grid Orders Number: to enable the necessary limit supportive orders number in the SEGT futures grid.
- Contract selection: The contract that the user has already opened the position.
- Exchange and Fee type + Tier: The user must also choose the fee type (maker/taker) from 4 available exchanges and the actual fee tier.
- Leverage: The leverage of the open position.
- Extra Distributed Order range (%): That enables the user to add more range over the norm from the order price to the liquidation price. The default value is 1% if left unchanged.
- Critical Support/Resistance prices: Is an optional data that the user can place in order to calculate and view the Max coverage the grid in price and the liquidation risk range of the grid unit.
- Spread Selection: Enables the user to select the Auto-Max Spread option which has a calculated average of the max spreads on each market. Or the manual spread on which the user can place the first buyer and first seller prices after a screenshot of the order book.
- Order amounts: The user has to complete the order amounts manually in any sequence possible.

(Auto-Strategy)

- Sequence: Enables the user to choose a sequence for the auto-completing the orders in the grid.
- Position's side: Buy/Long or Sell/Short.
- Position's data: Entry price, Amount, Liquidation Price, Margin in USDT.
- Constants 1 and 2: Constant 1 determines the liquidity position risk range, Constant 2 determines the supportive order range norm from liquidation price.
- Grid Orders Number: to enable the necessary limit supportive orders number in the SEGT futures grid.
- Contract selection: The contract that the user has already opened the position.

- Exchange and Fee type + Tier: The user must also choose the fee type (maker/taker) from 4 available exchanges and the actual fee tier.
- Leverage: The leverage of the open position.
- Extra Distributed Order range (%): That enables the user to add more range over the norm from the order price to the liquidation price. The default value is 1% if left unchanged.
- Critical Support/Resistance prices: Is an optional data that the user can place in order to calculate and view the Max coverage the grid in price and the liquidation risk range of the grid unit.
- Spread Selection: Enables the user to select the Auto-Max Spread option which has a calculated average of the max spreads on each market. Or the manual spread on which the user can place the first buyer and first seller prices after a screenshot of the order book.
- Order amounts-Divisor: Orders are completed automatically from the chosen sequence. But the user can use the divisor function to divide the amounts in the sequence.

## 1.2 SEGT System Futures - Isolated Margin Mode Reduction grid parameters

- Strategy Selection: The user can choose from which section should the reduction grid take data from Auto-Strategy or Manual-Strategy supportive grids.
- Exchange and Fee type + Tier: The user must also choose the fee type (maker/taker) from 4 available exchanges and the actual fee tier.
- Reduction Modes selection: Enables the user to choose between 6 types of manual and automated reduction modes for the SEGT Supportive grid.
- Distance in %: The user can choose the distance of the reduction order from the entry price of the position. This function is enabled only for 3 reduction modes: Trigger Chain CPRFT(Customized Price Range Flash Trade) Mode, Limit Sequential Mode and Trigger M Sequential Mode.
- Initial amount: The amount the user wants to start the reduction sequence of the initial amount. Enabled only for 2 reduction modes: Limit Sequential Mode and Trigger M Sequential Mode.
- Sequence Selection: The sequence the user wants to build a reduction grid. Enabled only for 2 reduction modes: Limit Sequential Mode and Trigger M Sequential Mode.
- Grid Stability feature has been added to execute trigger orders even when chain limit orders are partially filled.

## 2.1 ARGUS Futures - Isolated Margin Mode Support grid parameters

- Strategy Selection: The user can choose from which section should the ARGUS grid take data from Auto-Strategy or Manual-Strategy supportive grids of the SEGT Futures System.
- Data Link System selection: The user can choose from which section should the ARGUS grid take data from: SEGT Futures or DETrade Futures.
- Extra Grid Orders Number: to enable the necessary trigger-limit supportive orders number to be triggered futures grid.
- Constants 1 and 2: Constant 1 determines the liquidity position risk range, Constant 2 determines the supportive order range norm from liquidation price.



- SEGT predicted amount reduced in Asset: The user can place a predicted supportive order that could be reduced in the SEGT grid before consumption in order for the ARGUS grid to build a more effective reformation with better Entry prices and Liquidation Prices. If the user's prediction is inaccurate can lead to an algorithm cancellation/liquidation by the exchange's trading engine. Leave it 0 for no predictions.
- ARGUS Support grid mode: Enables the user to choose between two supportive modes. Trigger Chain Flash Trade supportive mode that consumes the reserve budget slowly only when necessary by the trigger chain of orders and Trigger Chain Instant Flash trade mode that consumes all the reserve budget immediately by placing all the limit supportive orders at once by completely activating the new grid unit built in ARGUS.
- Extra Distributed Order range (%): That enables the user to add more range over the norm from the order price to the liquidation price. The default value is 1% if left unchanged.
- Exchange and Fee type + Tier: The user must also choose the fee type (maker/taker) from 4 available exchanges and the actual fee tier.
- Order amounts: The user has to complete the order amounts manually in any sequence possible.

## 2.2 ARGUS Futures - Isolated Margin Mode Reduction grid parameters

- Exchange and Fee type + Tier: The user must also choose the fee type (maker/taker) from 4 available exchanges and the actual fee tier.
- Distance in %: The user can choose the distance of the reduction order from the entry price of the position. This function is enabled only for 1 reduction mode: Trigger Chain CPRFT(Customized Price Range Flash Trade) Mode and no other since in ARGUS there is no initial amount to reduce.
- Reduction Modes selection: Enables the user to choose between 4 types of automated reduction modes for the ARGUS Supportive grid.
- Grid Stability feature has been added to execute trigger orders even when chain limit orders are partially filled. (Automated-Linked from SEGT Futures)

## 3.1 SEGT Spot-Margin - Cross-Margin Mode + No Margin Mode Supportive/Reduction grid parameters

- Margin Position Starting Date: The user has to complete the starting date to determine the interest rates starting day.
- Margin Position Ending Date: The user has to complete the ending date to determine the interest rates ending day and calculate all amounts charged as interest for the borrowed funds.
- Position's side: Buy/Long or Sell/Short.
- Pairs: Stable coin pair selection +Asset paired selection.
- Amount Sequence Selection: Enables the user to place the amounts in the grid with a sequence applied in the amount value.
- Price Sequence Selection: Enables the user to determine the prices of the amounts in the grid with a sequence applied in the price value.
- Bull/Bear modes: Enables the user to choose between two amount sequence application modes. If Bull mode is selected the sequence will be applied in the Stable coin value. If Bear mode is selected the sequence will be applied in the paired asset amount value.

- Grid Orders Number: to enable the necessary limit supportive orders number in the SEGT Spot-Margin grid.
- Type: User can choose between two types of trading: Spot with no margin required (no dates need to be set as well since the user doesn't borrow funds in a No margin mode) and Margin (Cross-Margin)
- Distance in %: The user can choose the distance of the reduction order from the entry price of the position.
- Initial amount: The amount the user wants to start the supportive and reduction sequence of the initial amount.
- Initial price: The initial price the user wants to start the supportive and reduction sequence of the initial amount.
- Factor: The decimal point on where the grid orders price sequence change is applied.
- Exchange and Fee type + Tier: The user must also choose the fee type (maker/taker) from 4 available exchanges and the actual fee tier.
- Reduction Modes selection: Enables the user to choose between 4 types of manual and automated reduction modes for the SEGT Spot-Margin Supportive grid.
- Asset Price for fees: The user must put the asset price of the asset he is using for fees manually if he has enabled the fees discount with the exchange's fee asset. If no asset is used for fees they will be calculated automatically without the need to place prices.

#### 4.1 DETrade System Futures - Isolated Margin Mode Support grid parameters

The parameters descriptions that the user must complete to use the SEGT System futures are listed below:

(Manual Strategy)

- Constants 1 and 2: Constant 1 determines the liquidity position risk range, Constant 2 determines the supportive order range norm from liquidation price.
- Grid Orders Number: to enable the necessary limit supportive orders number in the DETrade futures grid.
- DETrade Price Range in %: which allows the user to make a counter algorithm at a price range based on the user's choice.
- Leverage: The leverage of the open position.
- Extra Distributed Order range (%): That enables the user to add more range over the norm from the order price to the liquidation price. The default value is 1% if left unchanged.
- Spread Selection: Enables the user to select the Auto-Max Spread option which has a calculated average of the max spreads on each market. Or the manual spread on which the user can place the first buyer and first seller prices after a screenshot of the order book.
- After placing all parameters the user can manually place the asset amounts on each individual order in the DETrade Grid.
- Critical Support/Resistance prices: Is an optional data that the user can place in order to calculate and view the Max coverage the grid in price and the liquidation risk range of the grid unit.

(Auto-Strategy)

- Constants 1 and 2: Constant 1 determines the liquidity position risk range, Constant 2 determines the supportive order range norm from liquidation price.
- Grid Orders Number: to enable the necessary limit supportive orders number in the DETrade futures grid.
- DETrade Price Range in %: which allows the user to make a counter algorithm at a price range based on the user's choice.
- Leverage: The leverage of the open position.
- Extra Distributed Order range (%): That enables the user to add more range over the norm from the order price to the liquidation price. The default value is 1% if left unchanged.
- Spread Selection: Enables the user to select the Auto-Max Spread option which has a calculated average of the max spreads on each market. Or the manual spread on which the user can place the first buyer and first seller prices after a screenshot of the order book.
- Orders are set automatically in a Sequence from the user's choice.
- Order amounts-Divisor: Orders are completed automatically from the chosen sequence. But the user can use the divisor function to divide the amounts in the sequence.

#### 4.2 DETrade System Futures - Isolated Margin Mode Reduction grid parameters

- Strategy Selection: The user can choose from which section should the reduction grid take data from Auto-Strategy or Manual-Strategy supportive grids.
- Reduction Modes selection: Enables the user to choose between 6 types of manual an automated reduction modes for the SEGT Supportive grid.
- Distance in %: The user can choose the distance of the reduction order from the entry price of the position. This function is enabled only for 3 reduction modes: Trigger Chain CPRFT(Customized Price Range Flash Trade) Mode, Limit Sequential Mode and Trigger M Sequential Mode.
- Initial amount: The amount the user wants to start the reduction sequence of the initial amount. Enabled only for 2 reduction modes: Limit Sequential Mode and Trigger M Sequential Mode.
- Sequence Selection: The sequence the user wants to build a reduction grid. Enabled only for 2 reduction modes: Limit Sequential Mode and Trigger M Sequential Mode.
- Grid Stability feature has been added to execute trigger orders even when chain limit orders are partially filled.

## 2. The Goal/ The purpose of SEGT Systems.

The goal of SEGT Systems is to secure and manage every trader's position in the world in order to never get liquidated and to manage the position with resiliency until closed with profit. Another goal of the SEGT Systems is to be spread globally in order to achieve a higher awareness that everyone can trade securely now without headaches or insomnia. It's available for individuals and institutions. The purpose of the SEGT Systems is to generate wealth for everyone in every corner of the world in order to complete the first step of the ideal Economy: 1. Fair Distribution. Ensuring that everyone gets a share if rich people lose by manipulating market prices. SEGT Systems grid depend on price movements and has covered both sides on each position meaning that if the market goes up to down or down to up the user will always win something. It is just a matter of when.

## 3. Why trading with advanced grid trading systems without API?

These systems operate manually or through semi-automated means, often requiring human intervention.

Advantages:

- No dependency on exchange API limits: You are not restricted by API rate limits, downtime, or changes in API structure.
- More privacy & control: Since you're not exposing your keys to an exchange, security risks related to API key leaks are eliminated.
- Custom order execution: Can be implemented through direct exchange interfaces, third-party software, or manual execution strategies.

Disadvantages:

- Slower execution: Orders take longer to place, which can be a problem in high-frequency or arbitrage trading. (This disadvantage has been solve in the SEGT Systems by automating order price calculation and amounts and the rest is just a copy/paste from the system to the platform 3 seconds/order placement)
- Lack of automation: Requires human intervention or inefficient bot setups (e.g., using web scraping). (This problem has been solved by the Trigger Chain Supportive and Reductive Trigger-Limit Orders that are fully automated. You just have to place them once in the beginning)
- Less scalability: Running multiple trades across different exchanges becomes challenging. (This problem hasn't been solved yet from the system and this is the only disadvantage that SEGT Systems have)

## 4. Quality Assurance Policies and Standard Operating Procedures (SOP).

The System is associated with documents listed here and their purpose to ensure the highest work quality, efficiency and security:

### 1. Research and Development:

- QARD-001-Instructions to complete the SEGT Statistical analysis form for the trading activity.
- QARD-002-Smart Assets Diversification Protocol.
- QFRD-001-SEGT Statistical analysis form.

### 2. Standard Operating Procedures:

- QASOP-003-SEGT Algorithm stability procedure (This document ensures your grid security by taking measures if a supportive order is not fully filled but partially filled)

### 3. Training:

- QATR-002-Entry Seeker Protocol with SEGT Systems. (Trains users on how to seek better entries with the system.)
- QATR-003-SEGT System Export Procedure.
- QATR-004-Safe Efficient Grid Trading Systems Documentation (User Manual)
- QATR-005-D.A.C.S. Protocol (Defense against Crypto Scams)

## 5. Precautions and warnings.

The SEGT Systems<sup>SM</sup> can't ensure you victory by 100% since this will vary only from the factors listed above, but it can dramatically increase your chances of success in your trades and reduce dramatically the risk of liquidation in leveraged positions. The system will be updated constantly with the new tested exchanges data, market's conditions data, new features and fixes from the creator.

This is a professional tool for expert traders and can be used by the group age of 16+ years old. The system's formulas will not be disclaimed with any individual trader, except businesses who want to implement the project inside their platforms for their users.

## 6. Conclusions.

The systems functions have been tested and the grid stability issues have been solved during the updated. Since the updates many users have expressed genuine satisfaction after the usage and built genuine trust in the functions accuracy and efficiency since they have never lost while they have followed the rules of the usage and the procedures.

## 7. Acknowledgments.

The model of SEGT Systems™ is created by countless of trading researches and discoveries made during the learning period in Poloniex crypto exchange since 2016 until today. Thanks to all the supportive materials I found online and my logical reasoning, I was able to discover new mathematical rules and principles that paved the way for building the most advanced grid trading systems in the world.

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